ABS 443/643 Team Case Study Assignment

Your two-person team assignment is the development of a case study of a building or project that is, in your judgment, well illuminated and worthy of your exploration and sharing with the class. The project should be located in the Las Vegas area. This field survey and design overview assignment will allow your team and the class to obtain more depth in current or state of the art lighted buildings. This material should be prepared in two ways: 1) a PowerPoint or web-based presentation and discussion with the class as noted on the schedule AND 2) MAXIMUM two board presentation (24”x36” or similar) that will be mounted, displayed, and discussed as noted on the revised schedule.

The guidelines are as follows:

1. Select a lighted project that you believe is a worthy case study for your review and for presentation to the class. The project MUST be in the Las Vegas area so you can conduct site visits. Make sure, however, that you can collect information and data about the building, photograph it, and get other important info needed to develop your assignment.

2. Document a critical body of knowledge about the building, its performance, end use and other information that you believe would be of interest and importance. This information may result from site visits, review of journal articles or other publications about the building; visuals of the building; drawings; data about energy and lighting performance, architects, designers, engineers of record; lighting and lighting control strategies; building systems and energy management; awards; good and “not so good” attributes, etc. Make sure you are as specific as you can be about type of lighting equipment used—fixtures, lamps, how & where mounted, spacing, aiming, and other items that we will explore during the semester. Make sure you answer the question “what effects and results are desired through the lighting design?” The criteria list of what to include depends on the project and on your assessment of what information is valuable and important to share with others. I would suggest you use chapters 8 & 9 of Karlen & Benya to establish your criteria list. For example, the layers approach discussed in chapter 8 and the steps to successful lighting design in chapter 9 could help you further refine your criteria!

3. Develop your “report” about the building/project. Include visuals and other similar materials in your PowerPoint or web-based presentation and incorporate those in your presentation boards. A copy of the PowerPoint or web-based presentation should be provided for the instructor. I will grade from this presentation and from your “pin-up” for the class. Your PowerPoint will be added to the class web site.

4. Organize a way to quickly share your project with the class. We will give each team a three-minute overview time then we will break in groups to review each presentation INSTEAD of a team-by-team presentation. I would like the review to be a chance to share the 10 or so sites that the class will have investigated in about a 60 minute time period. We will, as a class, select two of the projects to visit on field trips as noted in the class schedule!

5. Format and specific content is your decision. Plan schedule at least one appointment with me to discuss the project you select and how you plan to
organize the presentation. Additional appointment time will, of course, be available if you need it. We will also make class time available to answer questions.

6. There are no other restrictions or guidelines on this assignment. Discuss it with me to refine your ideas. The bottom line is providing a comprehensive understanding of an illuminated project to your peers in class and gaining in-depth knowledge through your case study experience.